

CLAIMS

1. An apparatus for transmitting broadcast messages to a plurality of receivers in a communications network, said network having multiple paging channels, wherein each of said multiple paging channels is divided into predetermined slot cycles, wherein each of said predetermined slot cycles is divided into time slots, said apparatus comprising:

page transmit controller means for providing a plurality of timing signals indicative of each time slot within a first slot cycle;

broadcast message buffer means for redundantly providing said broadcast message in accordance with said plurality of timing signals;

modulator means for redundantly providing said broadcast message upon each of said multiple paging channels; and

transmitter means for transmitting said broadcast message.

2. An apparatus for transmitting broadcast messages to a plurality of receivers in a communications network, said network having multiple paging channels, wherein each of said multiple paging channels is divided into predetermined slot cycles, wherein each of said predetermined slot cycles is divided into time slots, said apparatus comprising:

page transmit controller means for providing a plurality of page timing signals indicative of each time slot within a first slot cycle and for providing a broadcast message timing signal indicative of a single time slot within a second slot cycle;

broadcast page buffer means for redundantly providing a broadcast page in accordance with said plurality of page timing signals, wherein said broadcast page contains broadcast message timing information;

broadcast message buffer means for providing said broadcast message in accordance with said broadcast message timing signal;

modulator means for providing said broadcast page upon each of said multiple paging channels and for providing said broadcast message upon each of said multiple paging channels; and

transmitter means for transmitting said broadcast page and said broadcast message.

3. An apparatus for receiving broadcast messages from a transmitter in a communication network, said network having multiple paging channels, wherein each of said multiple paging channels is divided into predetermined slot cycles, wherein each of said predetermined slot cycles is divided into time

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4. The apparatus of claim 2 further comprising:

2 said broadcast page buffer means further for providing a new page
indicator in each time slot of said first cycle, wherein said new page indicator
4 indicates whether or not a new broadcast page is available to be received;

said modulator means further for providing said new page indicator
6 upon each of said multiple paging channels; and

said transmitter means further for transmitting said new page indicator.

5. The apparatus of claim 3 wherein:

2 said receiver means is further for receiving a new page indicator,
 wherein said new page indicator indicates whether or not a new broadcast page
 4 is available to be received; and

said decoder means is further for preventing said receiver means from
6 monitoring said assigned one of said multiple paging channels for said
broadcast page if said new page indicator indicates that no broadcast page is
8 available to be received.